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PLAQUE-PREVENTION WORK.

CALIFORNIA.

The following report of plague-prevention work in California for the week ended June 19, 1915, was received from Passed Asst. Surg. Hurley, of the United States Public Health Service, in temporary charge of the work:

San Francisco, Cal.

RAT PROOFING.

New buildings:	
Inspections of work under construction.	172
Basements concreted, 16,730 square feet.	51
Floors concreted, 9,400 square feet.....	52
Yards, passageways, etc., 13,992 square feet.....	55
Total area of concrete laid, square feet....	40,122
Classes A, B, and C (fire proof) buildings:	
Inspections made.....	178
Roof and basement ventilators, etc., screened.....	6,060
Wire screening used, square feet.....	29,690
Openings around pipes, etc., closed with cement.....	10,004
Sidewalk lens lights replaced.....	1,180
Old buildings:	
Inspections made.....	652
Wooden floors removed.....	42
Yards and passageways, planking removed.....	14
Cubic feet new foundation walls installed.....	7,314

RAT PROOFING—continued.

Old buildings—Continued.	
Concrete floors installed, 23,776 square feet.....	45
Basements concreted, 11,743 square feet.	20
Yards and passageways, etc., concreted, 27,007 square feet.....	101
Total area concrete laid, square feet....	62,526
Floors rat proofed with wire cloth, 5,700 square feet.....	3
Buildings razed.....	36
New garbage cans stamped approved...	863
Nuisances abated.....	404

OPERATIONS ON THE WATER FRONT.

Vessels inspected for rat guards.....	25
Reinspections made on vessels.....	28
New rat guards procured.....	20
Defective rat guards repaired.....	8
Vessels on which cargo was inspected.....	1

Amount of cargo inspected and description of same.	Condition.	Rat evidence.
Steamer Queen from Seattle:		
50 bales rags.....	O. K.	None.
80 cases milk and household goods.....	O. K.	None.
650 sacks of flour, wheat, and peanuts.....	O. K.	None.

Rats trapped on wharves and water front...	30
Rats trapped on vessels.....	17
Traps set on wharves and water front.....	159
Traps set on vessels.....	53
Vessels trapped on.....	11
Poisons placed on water front (pieces).....	3,600
Poisons placed within Panama-Pacific International Exposition grounds (pieces).....	7,200
Bait used on water front and vessels, bacon (pounds).....	6
Amount of bread used in poisoning water front (loaves).....	12
Pounds of poison used on water front.....	6

RATS COLLECTED AND EXAMINED FOR PLAGUE.

Collected.....	285
Examined.....	218
Found infected.....	0

RATS IDENTIFIED.

Mus norvegicus.....	137
Mus rattus.....	66
Mus alexandrinus.....	53
Mus musculus.....	29

Record of plague infection.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	(¹)	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	(¹)	126 rats.
Berkeley.....	Aug. 28, 1907	(¹)	(¹)	None.
Los Angeles.....	Aug. 11, 1908	(¹)	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).....	Sept. 24, 1909	Oct. 17, 1909 ²	Aug. 7, 1914	286 squirrels, 1 wood rat.
Contra Costa.....	May 17, 1914	(¹)	Mar. 4, 1915	1,567 squirrels.
Fresno.....	(¹)	(¹)	Oct. 27, 1911	1 squirrel.
Merced.....	(¹)	(¹)	July 12, 1911	5 squirrels.
Monterey.....	(¹)	(¹)	Apr. 10, 1914	6 squirrels.
San Benito.....	June 4, 1913	(¹)	Apr. 13, 1915	37 squirrels.
San Joaquin.....	Sept. 18, 1911	(¹)	Aug. 26, 1911	18 squirrels.
San Luis Obispo.....	(¹)	(¹)	Jan. 29, 1910	1 squirrel.
Santa Clara.....	Aug. 31, 1910	(¹)	July 23, 1913	25 squirrels.
Santa Cruz.....	(¹)	(¹)	May 17, 1910	3 squirrels.
Stanislaus.....	(¹)	(¹)	June 2, 1911	13 squirrels.

¹ None.² Wood rat.*Squirrels collected and examined for plague.*

Contra Costa County.....	763
Alameda County.....	409
San Benito County.....	340
San Joaquin County.....	106
Monterey County.....	115
Merced County.....	88
Santa Clara County.....	51
Stanislaus County.....	57
Total.....	1,909
Found infected.....	0

Ranches inspected and hunted over.

Contra Costa County.....	51
Alameda County.....	46
San Benito County.....	22
San Joaquin County.....	17
Merced County.....	18
Monterey County.....	14
Santa Clara County.....	5
Stanislaus County.....	3
Total.....	176

The work is being carried on in the following-named counties: Alameda, Contra Costa, San Francisco, Merced, San Joaquin, Santa Cruz, Stanislaus, San Benito, Monterey, Santa Clara, and San Mateo.

LOUISIANA—NEW ORLEANS—PLAQUE ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended June 26, 1915, was received from Surg. Creel, of the United States Public Health Service, in temporary charge of the work:

OUTGOING QUARANTINE.		BUILDINGS RAT PROOFED—continued.	
Vessels fumigated with sulphur.....	10	By concrete floor and wall.....	301
Vessels fumigated with carbon monoxide.....	10	By minor repairs.....	532
Vessels fumigated with hydrocyanic gas.....	1	Square yards of concrete laid.....	29,687
Pounds of sulphur used.....	4,115	Total buildings rat proofed.....	1,157
Pounds of coke consumed in carbon monoxide fumigation.....	16,700	Total buildings rat proofed to date.....	42,846
Pounds of potassium cyanide used in hydrocyanic-gas fumigation.....	102	Abatements.....	52
Pounds of sodium carbonate used in hydrocyanic-gas fumigation.....	120	Abatements to date.....	25,429
Pounds of sulphuric acid used in hydrocyanic-gas fumigation.....	104	LABORATORY OPERATIONS.	
Clean bills of health issued.....	27	Rodents received by species:	
Foul bills of health issued.....	6	Mus norvegicus.....	1,567
FIELD OPERATIONS.		Mus rattus.....	91
Rats trapped.....	5,134	Mus alexandrinus.....	92
Premises disinfected.....	4	Mus musculus.....	3,159
Premises inspected.....	19,673	Wood rats.....	75
Notices served.....	43	Muskrats.....	39
BUILDINGS RAT PROOFED.		Putrid (included in enumeration of species).....	110
By elevation.....	195	Total rodents received at laboratory.....	5,023
By marginal concrete wall.....	129	Rodents examined.....	2,102
		Number of suspicious rats.....	6
		Plague rats confirmed.....	1

Rodent case.

Case No.	Address.	Captured.	Diagnosis confirmed.	Treatment of premises.
244	1900 Constance Street.....	June 15, 1915.	June 22, 1915.	Sprayed with pulicide solution; rat proofing immediately initiated; intensive trapping.

Last case of human plague, October 4, 1914.

Last case of rodent plague, June 22, 1915.

Total number of rodents captured to June 26..... 376,774

Total number of rodents examined to June 26..... 263,614

Total cases of rodent plague to June 26, by species:

Mus musculus.....	4
Mus rattus.....	16
Mus norvegicus.....	216
Mus alexandrinus.....	8
Total rodent cases to June 26, 1915...	244

HAWAII—PLAUE PREVENTION.

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service.

Honolulu.

WEEK ENDED JUNE 12, 1915.

Total rats and mongoose taken.....	455	Average number of traps set daily.....	1,085
Rats trapped.....	442	Cost per rat destroyed.....cents.	19
Mongoose trapped.....	13	Last case rat plague, Aiea, 9 miles from Honolulu, Apr. 12, 1910.	
Examined microscopically.....	367	Last case human plague, Honolulu, July 12, 1910.	
Showing plague infection.....	0	Last case rat plague, Kalopa stable, Paauhau, Hawaii, Aug. 29, 1914.	
Classification of rats trapped:		Last case human plague, Paauhau Landing, Hawaii, Aug. 17, 1914.	
Mus alexandrinus.....	201		
Mus musculus.....	175		
Mus norvegicus.....	51		
Mus rattus.....	15		

Hilo.

WEEK ENDED JUNE 5, 1915.

Rats and mongoose taken.....	2,702	Classification of rats trapped and found dead:
Rats trapped.....	2,667	<i>Mus norvegicus</i> 510
Rats found dead.....	1	<i>Mus alexandrinus</i> 381
Mongoose taken.....	34	<i>Mus rattus</i> 753
Rats and mongoose examined macroscopically	2,702	<i>Mus musculus</i> 1,024
Rats and mongoose plague infected.....	0	Last case of rat plague, Paauhau Sugar Co., Aug. 29, 1914.
		Last case of human plague, Paauhau Sugar Co., Aug. 16, 1914.

PORTO RICO—PLAGUE PREVENTION.

During the period from June 5 to 18, 1915, 665 rodents (rats and mice) were examined in Porto Rico. No plague infection was found. The rodents were collected at San Juan, Puerta de Tierra, and Santurce.